

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/517345	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 10:03
S2	19	"5338363"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/15 10:41
S3	31	("4932358"   "5000113"   "5063031"   "5094885"   "5108792"   "5292393"   "5292554"   "5302209"   "5317656"   "5332442"   "5338363").PN. OR ("5574247").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/15 10:42
S4	2	("5338363").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:00
S5	0	2003/0205202	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:00
S6	2	"20030205202"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:00
S7	0	("2003/0205202").URPN.	USPAT	OR	OFF	2007/01/25 12:01
S8	8	2003/0049372	USPAT	OR	OFF	2007/01/25 12:04
S9	0	"20030049372"	USPAT	OR	OFF	2007/01/25 12:04
S10	6	"20030049372"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:04
S11	8	("2003/0049372").URPN.	USPAT	OR	OFF	2007/01/25 12:21
S12	0	2004/0216671	USPAT	OR	OFF	2007/01/25 12:21

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S13	0	2004/0216671	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:21
S14	2	"20040216671"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:24
S15	74	("20020157611" "4217375" "4392915"  "4513021" "4537795" "4633809" "46 40221" "4716852" "4738748" "533838 3" "5356120" "5366585" "5453124" "5 500256" "5532190" "5556474" "55903 87" "5618349" "5647912" "5746834" " 5755886" "5792272" "5827390" "5851 284" "5884009" "5884009" "5885751"  "5972430" "5983906" "6050506" "60 59885" "6187101" "6200893" "630531 4" "6312526" "6312526" "6503330" "6 890596").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 12:24
S16	5872	118/715.ccls. 156/345.33,34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 16:45
S17	4604	S16 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 16:48
S18	562	S17 and ((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:51
S19	562	S18 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:52

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S20	48425	((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:52
S21	32054	S20 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:52
S22	7109	((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate)) and wafer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:53
S23	4851	S22 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:54
S24	0	((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate)) and wafer and (semi adj conductor adj equipment)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:53
S25	5228	((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate)) and wafer and (semiconductor adj equipment apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:54
S26	3614	S25 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:55
S27	3471	((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate)) and wafer and (semiconductor adj equipment apparatus) and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:54

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S28	2386	S27 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:55
S29	5872	118/715.ccls. 156/345.33,34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:55
S30	4604	S29 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 07:55
S31	562	S30 and ((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:28
S32	562	S31 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:29
S33	2087	S28 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:27
S34	1133639	(h01l021/\$.ipc. c23c016/\$.ipc. c23c014/\$.ipc.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:30
S35	6173	S34 and ((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:30

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S36	4178	S35 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:31
S37	3663	S36 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:29
S38	2350	S37 not S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:29
S39	1016705	(h01l021/\$.ipc. c23c016/\$.ipc. c23c014/\$.ipc.)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:30
S40	1745	S39 and ((showerhead shower adj head) ((dispens\$3 distribut\$3 diffus\$3 dispers\$3) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:31
S41	1737	S40 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:31
S42	1660	S41 not S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:31
S43	1147	S42 and (@ad<="20020610" @rlad<="20020610")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 09:31
S44	8	2003/0049372	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 13:52

## EAST Search History

S45	6	"20030049372"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 14:34
S46	38	"5607724"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 15:01
S47	4	"6346425".pn. "6261373".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 15:01
S48	4	("5861951"   "5870189"   "6042650"). PN. OR ("6346425").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 15:02
S49	7	("5343290"   "5448364"   "5861952"   "5936726"   "5943130"   "6052183"   "6346425").PN. OR ("6825437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 15:25
S50	2	"20040089233"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 15:26
S51	2	"20030070617"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 14:02
S52	6	("2003/0070617").URPN.	USPAT	OR	OFF	2007/01/31 14:25

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S53	54	(US-20030140857-\$ or US-20020121505-\$ or US-20040156996-\$ or US-20020007791-\$ or US-20010052321-\$ or US-20050092250-\$ or US-20030198740-\$ or US-20030003696-\$ or US-20010054391-\$ or US-20030194508-\$ or US-20040028810-\$ or US-20010011526-\$ or US-20050064248-\$ or US-20030096472-\$ or US-20050160983-\$ or US-20040083959-\$ or US-20020048969-\$ or US-20060266393-\$ or US-20030049372-\$ or US-20050202677-\$ or US-20040129212-\$ or US-20040216671-\$ or US-20020179247-\$ or US-20030192477-\$ or US-20040129215-\$ or US-20030033984-\$).did. or (US-20060207506-\$ or US-20030027428-\$ or US-20020000380-\$ or US-20030089308-\$).did. or (US-6845734-\$ or US-6402848-\$ or US-6674169-\$ or US-6797108-\$ or US-6812157-\$ or US-6322661-\$ or US-6482477-\$ or US-6936549-\$ or US-5356476-\$ or US-6953743-\$ or US-6559039-\$ or US-6355109-\$ or US-6143077-\$ or US-6143081-\$ or US-6579372-\$ or US-6220202-\$ or US-6346425-\$).did. or (JP-2002008995-\$ or JP-2001035799-\$ or JP-11246979-\$ or JP-08269716-\$).did. or (US-6287635-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/01/31 14:26
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## EAST Search History

S54	54	(US-20030140857-\$ or US-20020121505-\$ or US-20040156996-\$ or US-20020007791-\$ or US-20010052321-\$ or US-20050092250-\$ or US-20030198740-\$ or US-20030003696-\$ or US-20010054391-\$ or US-20030194508-\$ or US-20040028810-\$ or US-20010011526-\$ or US-20050064248-\$ or US-20030096472-\$ or US-20050160983-\$ or US-20040083959-\$ or US-20020048969-\$ or US-20060266393-\$ or US-20030049372-\$ or US-20050202677-\$ or US-20040129212-\$ or US-20040216671-\$ or US-20020179247-\$ or US-20030192477-\$ or US-20040129215-\$ or US-20030033984-\$).did. or (US-20060207506-\$ or US-20030027428-\$ or US-20020000380-\$ or US-20030089308-\$).did. or (US-6845734-\$ or US-6402848-\$ or US-6674169-\$ or US-6797108-\$ or US-6812157-\$ or US-6322661-\$ or US-6482477-\$ or US-6936549-\$ or US-5356476-\$ or US-6953743-\$ or US-6559039-\$ or US-6355109-\$ or US-6143077-\$ or US-6143081-\$ or US-6579372-\$ or US-6220202-\$ or US-6346425-\$).did. or (JP-2002008995-\$ or JP-2001035799-\$ or JP-11246979-\$ or JP-08269716-\$).did. or (US-6287635-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/01/31 14:27
S55	2	"20030205202"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 10:16



## EAST Search History

S56	3	"20040089233"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 10:24
S57	2	"20030070617"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/24 10:25